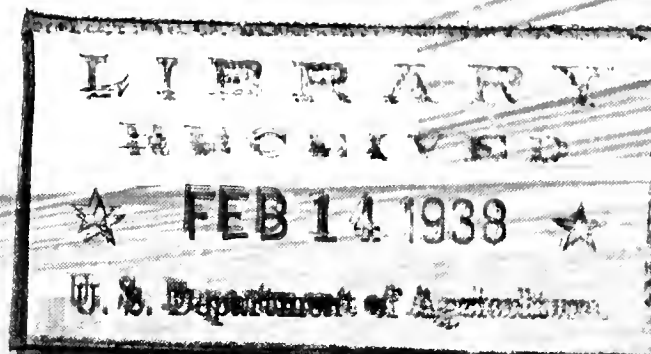


## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.



# *Better Chrysanthemums, for 1938*



One of the 800 ft. houses that produce our fine Mum cuttings

1938 promises to be a distinctly good season. Every indication points to an increasing demand for good Chrysanthemums, so it should pay you to go over this catalog when you have time and study it carefully, for it lists every worth-while American variety.

We have given considerable thought to the marking of the best kind, for special purposes, realizing that such recommendations cannot be 100% right for all sections and demands, but it should help in answering the question, "What are today's best varieties?" And—for your benefit, order as early as you can estimate your requirements.

**GEO. J. BALL, INC.**

**West Chicago, Ill.**



## PLEASE NOTE

Our stock and equipment for the production of clean, well-rooted Mum cuttings has been heavily increased for this season to meet the growing demand for good stock, but shortages may develop, especially late in the season, so place orders early, for all are filled in the order in which they are received, no exceptions to this rule.

All Mum cuttings supplied by us are guaranteed clean, free of disease, well-rooted, and carefully packed, and to reach you in nice shape.

### Special Early Order Discount.

When an order is placed two months, or more, in advance of delivery date, a discount of 5% is allowed, provided delivery date is April 1st or later. Be sure to show, on your order, date cuttings are wanted.

### Special Discounts for Large Orders:

The following discounts, for quantities given, will apply on orders placed at one time for the quantity on which discount is taken.

5% discount for an order of 10,000  
7½% discount for an order of 25,000  
10% discount for an order of 50,000

### Ordering:

	Rate per 100	Rate per 10	Rate per 100	Rate per 10
Please note accompanying schedule showing rates per 100 and corresponding rates per 10. We do not supply less than 10 of any variety, except first year Novelties.	\$ 3.00	\$ .50	\$ 8.00	\$1.50
	4.00	.50	10.00	1.50
	5.00	1.00	12.00	2.00
	6.00	1.00	15.00	2.50
	7.00	1.25	20.00	3.00

In figuring your order, please note that ten cuttings are billed at the ten rate; 15 or 20 also at the ten rate; 25 cuttings at the hundred rate; 250 cuttings or more, of a variety at the thousand rate. Please note this carefully.

### Please Note:

If your order should total 900 cuttings (100 each of 9 varieties at \$3.00, total \$27.00, while if 1000 are ordered, the thousand rate would apply at \$27.50). This point should be watched in figuring your order so that you may have advantage of the thousand rate, on the entire order. Thus, you will note, 1000 cuttings can be purchased for just a little more at the thousand rate, than 900 cuttings figured at the hundred rate. Watch this.

### Shipping Information:

All our stock is propagated at Barberton, Ohio, from where it is shipped by Express Collect. If your Express Office is different than your Post Office, please be sure to note the correct Express Office on your order.

If cuttings are wanted by Parcel Post, be sure to add sufficient postage as all prices are figured F.O.B. Barberton, Ohio. Approximate weights of various quantities of cuttings are as follows: 50 cuttings 2 lbs.; 100 cuttings 4 lbs.; 500 cuttings 15 lbs.; 1000 cuttings 24 lbs. With this information you can secure the amount of postage necessary from your local Post Office.

If you are located on a Rural Mail Route, please be sure to arrange with your Express Office to notify you immediately on arrival of shipment of cuttings, so that you will be able to call for them promptly on arrival. Be sure to give us your Express Office if different from your Post Office. Because of the perishable nature of Mum cuttings, we do not like to send them C.O.D., but if you insist on our shipping them that way, please be sure to remit at least 50% of the amount with your order.

### To Our Canadian Customers:

It is necessary for you to obtain a permit from your Department of Agriculture at Ottawa for shipment into Canada. As all shipments go by Express, you are to forward us the Permit Number only, holding the permit itself which will be to clear the shipment from customs on arrival.

In case of Parcel Post shipments, be sure to apply for a Parcel Post Permit, in which case the label is sent you by your Agricultural Department which must be forwarded to us with your order to save delay.

We strongly urge that you send us your order just as early as possible to secure delivery wanted, bearing in mind that all orders are shipped in the order in which they are received.

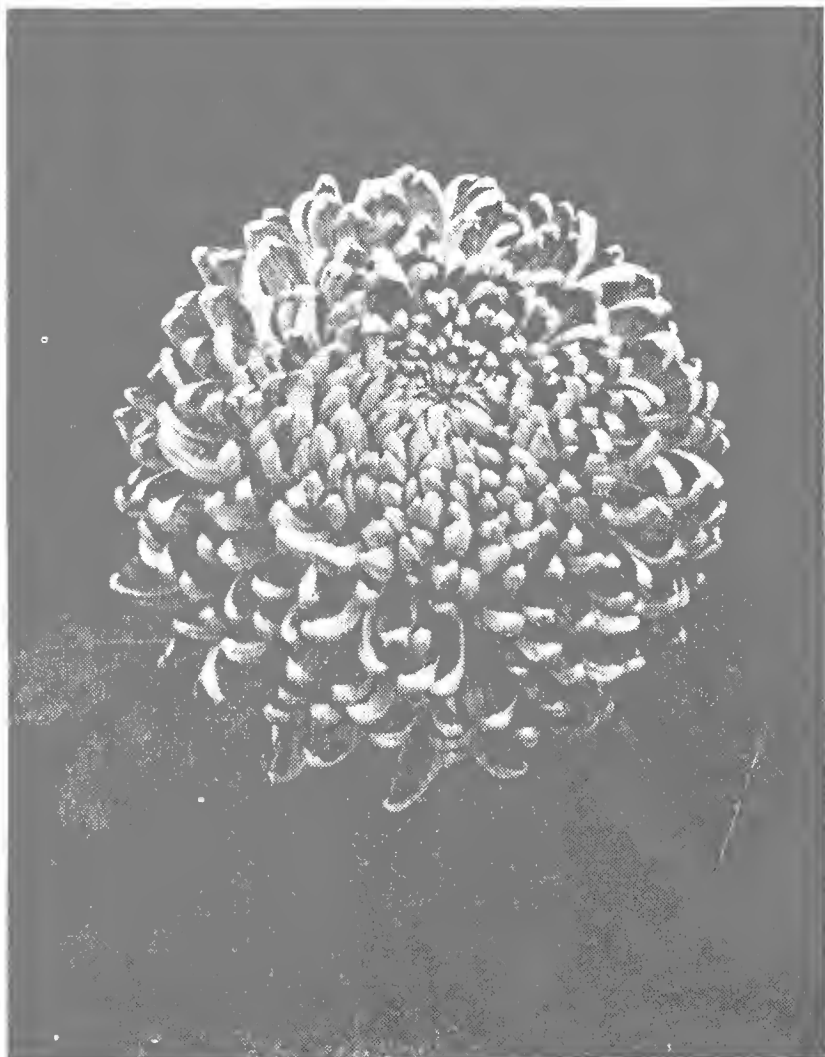
**"Enclose Your Mum With Your Seed Order"**

## NEW VARIETIES

On this and following pages you will find the season's approved novelties. They are all from well known dependable raisers. We have personally acquainted ourselves with all these varieties; and if given a chance, they will be found a distinct advance in American Chrysanthemums.

### Novelty Section—De Petris Introductions

#### INDIAN CHIEF



INDIAN CHIEF

We consider this variety one of the most outstanding large flowered commercials ever introduced being ideal in most every way.

The high rounded blooms averaging 7" or more in diameter are closely incurved and possess the crisp substance and lasting qualities of the well known variety Detroit News.

The color is a deep reddish bronze with golden buff reverse and the flowers retain this color throughout the season.

A strong and vigorous grower with excellent foliage and a heavy stem attaining a height of about 5' from March propagation.

Second crown or terminal buds reserved Sept. 5th and later produce fully double blooms from Nov. 5th to 10th.

Early buds should not be reserved because of the extreme fullness of this variety.

Winner of the A. C. S. Silver Medal for the best large flowered seedling at Hartford in 1936.

We predict Indian Chief will become the standard and most popular mid-season bronze within a short time.

**Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000**

#### ORCHID GEM

A single intense pink variety suitable for cut or pot culture.

It has a dwarf but very robust growth. Its Korean blood gives it a very free flowering habit.

Matures Oct. 25th or later.

It should be grown in natural sprays. Appears to be a worthwhile variety.

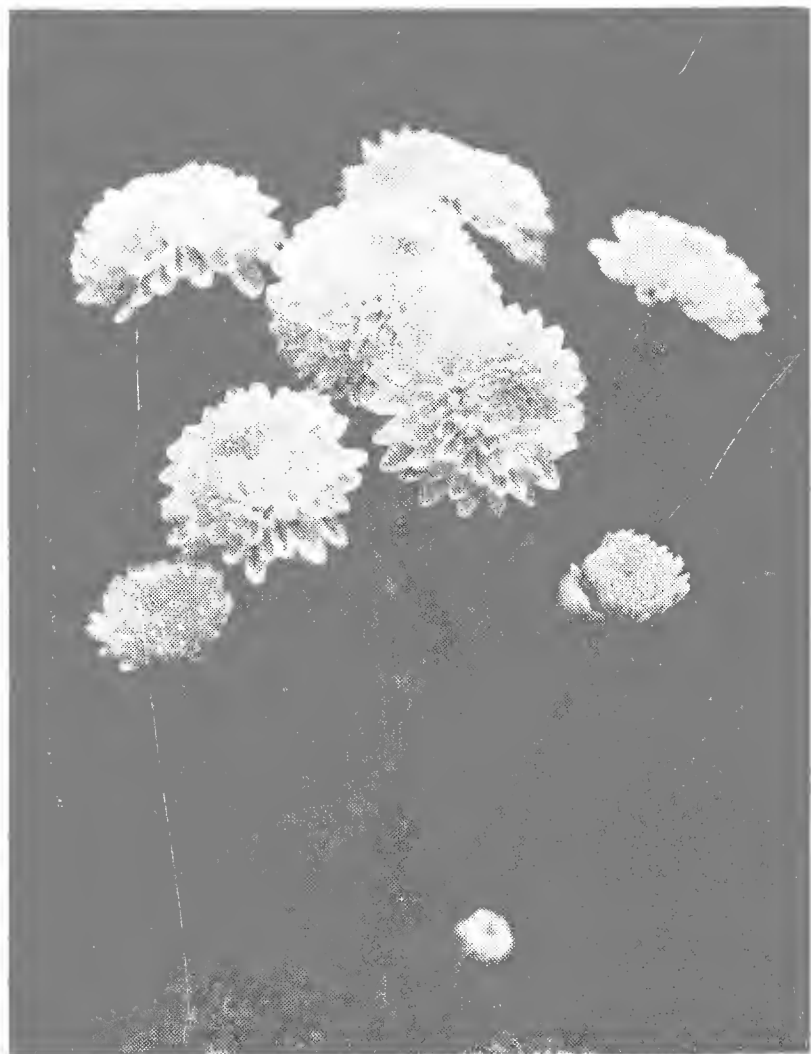
**Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000**

**"Enclose Your Mum With Your Seed Order"**



## Novelty Section—De Petris Introductions

### ARCADIA



**ARCADIA**

A vigorous growing and extremely productive pompons with excellent growing habit.

Well formed sprays carry many rounded blooms of pure white measuring 2½" to 3" across.

Arcadia matures about Oct. 25th is certain to become popular both because of its excellent form and its heavy production. It should also prove an ideal variety for shading.  
**Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000**

### PENGUIN

Good button pompons particularly in white are rare.

Penguin will meet the demand for a good mid-season white button pompon. A vigorous growing variety with unusually heavy production and good stem and substance, maturing Nov. 10th.

Heavily flowered sprays are carried on rigid stems over 3' long.

From the standpoint of color, vigor, production and perfect form we believe this variety will be accepted by the trade as one that has long been needed.

**Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000**

### PERSIAN ROSE

A large flowered button pompon producing good sprays of brilliant rose pink flowers.

An excellent grower of medium dwarf habit with good stems and foliage.

A good producer maturing about the 20th of October. This variety is distinct because of its unusual color which is different from any variety in bloom at that time. **Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000.**

### WILDFIRE

A late flowering pompon possessing an appealing color and excellent growing habit. The reflexed blooms 2½" across are carried on strong well formed sprays. The color is an unusual shade of brilliant orange rust.

This variety possesses excellent growing habits and is a good producer. It matures for Thanksgiving and later.

Wildfire should prove a popular novelty because of the unusual combination of color, lateness and ideal growing habit.

**Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000**

**"Enclose Your Mum With Your Seed Order"**

## Novelty Section—Bristol Nurseries Introductions

### JOE BEUERLEIN

Sparkling crimson-red single flower—medium size—carried on large airy sprays. A prominent golden-yellow disc adds much to its effectiveness. Flowering normally about December 5th, it can be held for the Holiday trade if grown cool. This seedling has been grown and exhibited extensively by Beuerlein Brothers. They are enthusiastic about it.

Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000

### MRS. MORGAN G. BULKELEY

A very beautiful and distinct addition to the pink section. Perfectly formed, large flowers, carried on excellent sprays. Color is a bright, but dainty pink suffused with orchid-lavender. A fine producer. A constant winner when exhibited. If you have grown the Delice Dahlia, that's the color. Height 2½ to 3 feet. Matures about November 10th.

Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000

### REV. HORACE BUSHNELL

A pure white sport of Mrs. Morgan G. Bulkeley—identical in every respect except color. A high class Pompon, easily the finest white for early November cutting. Height 2½ to 3 feet. November 10th.

Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000

## Novelty Section—Tom Knipe Introduction

### LITTLE AMERICA

Little America is a snow white, medium sized anemone. Its glistening white appearance suggested the name. The cushion is quite solid, the guard petals are firm enough that it handles well in shipment. The growth is just long enough to support and display from four to six disbudded blooms to the plant. The foliage is small and dark green, the stems are stiff at all times. The general appearance of Little America is of high character and refinement. It is an aristocrat of purest white. It blooms in the early part of November from terminal buds. This variety must be disbudded, it has no advantages over other varieties grown in sprays.

Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000

## Novelty Section—Yoder Brothers Introductions

### WINDSOR GOLD

This variety grows freely producing a good stem and blooms about October 28th. The flower is incurved and of good size. Its color is deep golden very nearly that of Friendly Rival.

It is an English variety which has been tried by us for several years. We think this is a worthwhile addition to our list and believe it deserves a good reception.

Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000

« » « »

Below we are offering some interesting sports from well known and proven varieties. They are like the originals in every respect excepting color which, in each case, is indicated by the name.

BRONZE TUXEDO

DARK PINK JEWELL

YELLOW CORDOVA

YELLOW DAINTY MAID

YELLOW ESTRELITA

YELLOW SUPREME—SPORT

(From Pink Supreme)

Price for Rooted Cuttings: \$2.50 per ten, \$15 per 100, \$125 per 1000

"Enclose Your Mum With Your Seed Order"

# Large Flowering Commercial Varieties

In this catalog are several duplications of names as follows:

**Christmas Cheer**—A single. **December Glory**—A large mum. **Innocence**—A hardy Korean pompon.  
**Christmas Cheer**—A pompon. **December Glory**—A pompon. **Smith's Innocence**—A white anemone.

When either of these varieties are ordered, kindly specify clearly which is intended.

## NOTE

When variety **Gladys Pearson** is ordered, original stock will be shipped.

When **Dark Bronze Gladys Pearson** is requested, variety, Oak Leaf, will be shipped.

Under **Hardy Chrysanthemums** we have listed variety  
**"Amelia,"** This is identical with variety **"Pink Cushion."**

**X**—Extra good or generally accepted best varieties.

**S**—Indicates varieties we find most suitable for shading.

**P**—Indicates varieties suitable for Pot Plants.

Two letters mean, besides being extra good, variety is recommended for Pots or Shading.

	Name and Description	Height	Select		Matures	Price per	
			Bud			100	1000
<b>XP</b>	<b>Ambassador.</b> White. Extra large—long stemmed .....	Med.	Ter. Bud		Oct. 16-20	\$3.00	\$27.50
<b>X</b>	<b>Anna Kaskas.</b> Golden bronze .....	Tall	Sept. 5-10		Nov. 1-5	8.00	75.00
	<b>Antique.</b> Mahogany bronze. Sport of Dr. Enguehard	Med.	Sept. 5		Thanks.	3.00	27.50
	<b>Apricot May Wallace.</b> Apricot .....	Tall	Ter. Bud		Nov. 7-15	7.00	65.00
<b>X</b>	<b>Apricot Queen.</b> Orange bronze .....	Med.	Sept. 5		Oct. 25	3.00	27.50
<b>XS</b>	<b>Betsy Ross.</b> Early White. Fairly hard, fine for shading	Tall	Aug. 25		Nov. 5	3.00	27.50
<b>XP</b>	<b>Bronze Frick.</b> Bronze. Sport of Helen Frick .....	Short	Sept. 10		Thanks.	5.00	40.00
	<b>Bronze Gem.</b> Bronze .....	Tall	Ter. Bud		Nov. 20	6.00	50.00
<b>XS</b>	<b>Camilla.</b> White .....	Tall	Aug. 25		Oct. 18	3.00	27.50
<b>X</b>	<b>Cardonia.</b> Deep rich yellow .....	Med.	Ter. Bud		Nov. 1-7	3.00	27.50
<b>XP</b>	<b>Celestra.</b> Yellow .....	Med.	Ter. Bud		Oct. 10	3.00	27.50
	<b>Chadwick, Bronze.</b> Bronze .....	Med.	Ter. Bud		Thanks.	3.00	27.50
	<b>Chadwick, Golden.</b> Yellow .....	Med.	Ter. Bud		Thanks.	3.00	27.50
	<b>Chadwick, Pink.</b> Pink .....	Med.	Ter. Bud		Thanks.	3.00	27.50
<b>X</b>	<b>Chadwick, White.</b> White .....	Med.	Ter. Bud		Thanks.	3.00	27.50
	<b>Chas. Rager.</b> White .....	Med.	Sept. 15		Nov. 10	3.00	27.50
<b>X</b>	<b>Chas. W. Johnson.</b> White .....	Med.	Sept. 10		Oct. 25	3.00	27.50
<b>X</b>	<b>Chattanooga.</b> White .....	Med.	Sept. 20		Nov. 28	3.00	27.50
<b>P</b>	<b>Christina.</b> White. Sport of Rose Chochard .....	Short	Aug. 15		Oct. 20	3.00	27.50
	<b>Chrysolora.</b> Yellow .....	Med.	Aug. 15		Oct. 15	3.00	27.50
	<b>Citronella.</b> Large light yellow. There are better yellows .....	Short	Aug. 31		Oct. 25	3.00	27.50
	<b>Clara B. Ford.</b> Yellow .....	Med.	Sept. 20		Nov. 20	3.00	27.50
	<b>Columbus Dispatch.</b> Yellow. Large bloom .....	Med.	Sept. 1		Nov. 15	3.00	27.50
	<b>Corona.</b> Deep yellow .....	Tall	Ter. Bud		Oct. 25	3.00	27.50
	<b>December Beauty.</b> White, tinged with pink.....	Med.	Oct. 1-10		Dec. 1	3.00	27.50
<b>X</b>	<b>December Glory.</b> White. Excellent for late .....	Med.	Sept. 30		Dec. 1	3.00	27.50
<b>XS</b>	<b>Detroit News.</b> Finest early bronze for shading.....	Med.	Aug. 30		Oct. 25	3.00	27.50
	<b>Distinction.</b> Pink .....	Med.	Ter. Bud		Thanks.	3.00	27.50
<b>X</b>	<b>Dr. Enguehard.</b> Rose pink. Shatters—but fine color	Med.	Sept. 5		Thanks.	3.00	27.50
	<b>Early Frost.</b> White. Early but not large.....	Short	Early		Early	3.00	27.50
	<b>Edgar Stillman Kelly.</b> White .....	Med.	Sept. 15		Nov. 15	3.00	27.50
	<b>Evening Glow.</b> Yellow .....	Med.	Sept. 10		Oct. 25	3.00	27.50
	<b>Evening Star.</b> Pink .....	Tall	Sept. 5		Nov. 1	3.00	27.50
	<b>Favorite.</b> White .....	Tall	Sept. 5		Nov. 15	3.00	27.50
<b>P</b>	<b>Floyd Gibbons.</b> Salmon pink with buff reverse .....	Short	Sept. 15		Nov. 8	3.00	27.50

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# Large Flowering Commercial Varieties (Continued)

	Name and Description	Height	Select		Matures	Price per	
			Bud			100	1000
X	Friendly Call. Yellow .....	Med.	Ter. Bud		Nov. 25- Dec. 10	10.00	90.00
XP	Friendly Rival. Golden yellow. Fine color, but shatters	Med.	Sept. 10		Thanks.	3.00	27.50
XP	Garnet King. Red .....	Short	Sept. 20		Nov. 20-30	3.00	27.50
	Gay Boy. Bronze .....	Med.	Ter. Bud		Oct. 20- Nov. 1	10.00	90.00
	Gladys Pearson. Fine standard bronze. Yellow when shaded; excellent.....	Med.	Sept. 30		Nov. 20-30	3.00	27.50
	Glenview. Bronze .....	Short	Sept. 10		Nov. 24	3.00	27.50
XP	Glitters. Bronze. Extra attractive bronze .....	Med.	Ter. Bud		Nov. 1	3.00	27.50
XP	Gold Lode. Yellow. Soft, but easy grower. Popular with retail growers .....	Med.	Aug. 25		Oct. 1	3.00	27.50
	Golden Bronze. Golden yellow with tints of bronze....	Tall	Ter. Bud		Oct. 25	3.00	27.50
	Golden Celebration. Yellow.....	Tall	Sept. 15		Nov. 20	3.00	27.50
XS	Golden Glory. Yellow .....	Short	Aug. 25		Nov. 1	3.00	27.50
	Golden Glow, Imp. Yellow .....	Med.	July 10		Sept. 1	3.00	27.50
X	Golden Mrs. Ross. Golden yellow. (Improved Nellie T. Ross) .....	Tall	Early Oct.		Nov. 28	3.00	27.50
XS	Golden Pearson. Yellow. Sport of Gladys Pearson....	Med.	Sept. 30		Thanks.	3.00	27.50
	Golden Queen. Yellow .....	Med.	Aug. 10		Oct. 25	3.00	27.50
	Golden Tints. Bright yellow .....	Short	Aug. 5-25		Oct. 10	3.00	27.50
	Golden Topaz. Golden yellow .....	Med.	Sept. 10		Nov. 10	3.00	27.50
SP	Golden Wave. Yellow .....	Short	Sept. 5		Oct. 20	3.00	27.50
XS	Good News. Yellow. Sport of Detroit News. Hard flower and the finest early yellow for shading.....	Med.	Aug. 30		Oct. 25	3.00	27.50
	Governor Green. Crimson, with old gold reverse .....	Short	Aug. 15		Oct. 15	3.00	27.50
P	Harvard. Crimson .....	Med.	Sept. 30		Nov. 30	3.00	27.50
XP	Helen Frick. Pink .....	Short	Sept. 10		Thanks.	3.00	27.50
SP	Hilda Bergen. Bronze .....	Short	Aug. 25		Oct. 25	3.00	27.50
	Honey Dew. Yellow .....	Short	Ter. Bud		Nov. 15	3.00	27.50
	Immaculate. White .....	Med.	Ter. Bud		Nov. 1-7	3.00	27.50
XS	Indianola. Light bronze .....	Med.	Aug. 25		Oct. 8	3.00	27.50
	Josephine Lawler. Pink .....	Med.	Ter. Bud		Oct. 20	3.00	27.50
SP	Justrite. Pink .....	Short	Ter. Bud		Oct. 15	3.00	27.50
XSP	J. W. Prince. (Improved Chieftain.) An excellent pink	Short	Aug. 30		Nov. 1	3.00	27.50
	Keystone. Bronze .....	Med.	Aug. 30		Oct. 22	3.00	27.50
	Lemon Queen. Yellow .....	Med.	Ter. Bud		Thanks.	3.00	27.50
X	Leroy Zang. Yellow. Sport of Golden Pearson.....	Med.	Sept. 30		Thanks.	4.00	35.00
	Lustre. Pink .....	Short	Aug. 25		Oct. 8	3.00	27.50
	Major Bonaffon. Yellow .....	Short	Sept. 10		Nov. 20	3.00	27.50
	Major Edward Bowes. Pink, not long-stemmed, but excellent color .....	Med.	Aug. 30		Oct. 16	5.00	40.00
X	Marie de Petris. Yellow .....	Short	Sept. 15		Nov. 25	3.00	27.50
	Mark Twain. Bronze .....	Med.	Sept. 20		Nov. 20	5.00	40.00
X	Mefo. White .....	Med.	Sept. 15		Nov. 20	3.00	27.50
	Minewa. Golden bronze .....	Med.	Aug. 10		Oct. 15	7.00	65.00
X	Mistletoe, Bronze. Bronze .....	Med.	Sept. 30		Dec.	3.00	27.50
X	Mistletoe, Golden. Yellow .....	Med.	Sept. 30		Dec.	3.00	27.50
X	Mistletoe, Pink. Pink .....	Med.	Sept. 30		Dec.	3.00	27.50
X	Mistletoe, White, Imp. White .....	Med.	Sept. 30		Dec.	3.00	27.50
X	Mohawk Chief. Crimson .....	Med.	Oct. 1		Nov. 30	3.00	27.50
X	Monument. White. An excellent mid-season white....	Med.	Sept. 10		Nov. 5-15	3.00	27.50
	Mrs. A. J. Stahelin. Bronze with reverse petals yellow	Med.	Ter. Bud		Nov. 15	3.00	27.50
	Mrs. Alex Laurie. Light pink .....	Med.	Sept. 20		Nov. 15	3.00	27.50

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# Large Flowering Commercial Varieties (Continued)

	Name and Description	Height	Select	Matures	Price per	
			Bud		100	1000
X	Mrs. David F. Roy. Crimson with bronze reverse. An attractive color for variety .....	Short	Sept. 15	Nov. 15	3.00	27.50
XSP	Mrs. H. E. Kidder. Bright yellow, fine color but shatters some .....	Med.	Aug. 25	Oct. 25	3.00	27.50
	Mrs. Wm. Thaw, Jr. Yellow .....	Tall	Ter. Bud	Nov. 10	3.00	27.50
P	McNiece. Pink .....	Short	Ter. Bud	Oct. 25	3.00	27.50
	Nioto. Bronze tan .....	Med.	Ter. Bud	Nov. 1	7.00	65.00
X	Oak Leaf. Dark bronze .....	Med.	Sept. 30	Nov. 20-30	3.00	27.50
	Oconto. White .....	Med.	Aug. 25	Oct. 15	3.00	27.50
X	October Rose. Pink .....	Med.	Ter. Bud	Oct. 18	3.00	27.50
	Okeda. Reddish bronze .....	Tall	Aug. 1-10	Oct. 1-10	3.00	27.50
	Old Rose. Pink .....	Med.	Ter. Bud	Early Nov.	3.00	27.50
	Orchid Queen. Orchid pink .....	Tall	Ter. Bud	Nov. 15	6.00	50.00
	Oscoda. Light lavender with silvery sheen .....	Med.	Sept. 1	Oct. 30	3.00	27.50
XP	Peter John. Light pink. Sport of Thanksgiving Pink .....	Short	Sept. 15	Thanks.	5.00	40.00
XP	Pink Beauty. Pink .....	Short	Ter. Bud	Oct. 20	7.00	65.00
XS	Pink Chief. Excellent pink for early shading.....	Tall	Ter. Bud	Oct. 12	3.00	27.50
	Pink Delight. Rose pink .....	Tall	Sept. 10	Nov. 1	3.00	27.50
	Pink Globe. Pinkish lavender .....	Med.	Sept. 20	Nov. 10	3.00	27.50
	Pink Treasure. Pink .....	Short	Sept. 20	Nov. 10	3.00	27.50
X	Quaker Maid. White. Color not clear .....	Med.	Aug. 25	Oct. 5	3.00	27.50
	R. B. Mellon. Light bronze .....	Tall	Sept. 1	Nov. 1	7.00	65.00
	Reality. Pink .....	Med.	Aug. 5	Oct. 20	3.00	27.50
	Richmond. Yellow .....	Med.	Aug. 25	Nov. 1	3.00	27.50
P	R. M. Calkins. Golden yellow .....	Med.	Sept. 20	Nov. 25-30	3.00	27.50
	Rosa Raisa. Pink .....	Short	Sept. 20	Thanks.	3.00	27.50
P	Rose Chochard. Good early pink .....	Short	Aug. 15	Oct. 20	3.00	27.50
XS	Rose Glory. Pink .....	Med.	Ter. Bud	Oct. 15-20	3.00	27.50
	Rose Marie. Pink .....	Tall	Aug. 5	Oct. 1	3.00	27.50
	Rose Perfection. Pink .....	Short	Sept. 10	Nov. 5-10	3.00	27.50
P	Secretary Nehrling. Bright yellow .....	Med.	Aug. 15-20	Nov. 15-20	3.00	27.50
	Silver Dawn White .....	Med.	Aug. 25	Oct. 18-20	3.00	27.50
XS	Silver Sheen. White. Hard flower; finest early white for shading .....	Med.	Aug. 30	Oct. 20	3.00	27.50
	Smith's Early White. White .....	Tall	Aug. 10	Oct. 2	3.00	27.50
XP	Smith's Late White. White .....	Short	Sept. 30	Dec. 15	3.00	27.50
	Smith's Peerless. White .....	Med.	Sept. 15	Thanks.	3.00	27.50
	Smith's Superlative. Bright yellow .....	Med.	Aug. 25	Oct. 25	3.00	27.50
XS	Snow White. White. Trifle soft but very fine shaded .....	Med.	Ter. Bud	Nov. 1	3.00	27.50
	Spotless. White .....	Short	Aug. 25	Oct. 20	5.00	40.00
X	Stately White. White .....	Med.	Ter. Bud	Nov. 1	3.00	27.50
	Sunbeam. Bright yellow .....	Med.	Sept. 20	Thanks.	3.00	27.50
XSP	Sunglow. Yellow .....	Med.	Aug. 15	Oct. 25	3.00	27.50
XP	Sun Gold. Yellow. Better as a pot plant than for cutting .....	Med.	Sept. 30	Thanks.	3.00	27.50
	Tekonsha. Bronze .....	Med.	Sept. 10	Thanks.	3.00	27.50
P	Thanksgiving Pink. Dark pink .....	Short	Sept. 15	Thanks.	3.00	27.50
	Timothy Eaton. White .....	Tall	Sept. 15	Nov. 20	3.00	27.50
	Tints of Gold. Bronze .....	Med.	Aug. 15	Oct. 10	3.00	27.50
XP	Tobin's Late Yellow. Yellow. Sport of Smith's Late White .....	Short	Sept. 30	Dec. 15	4.00	35.00
	Tom Browne. White. Too soft for shading .....	Med.	Ter. Bud	Nov. 20-30	3.00	27.50
P	White Chief. White .....	Short	Ter. Bud	Oct. 18	3.00	27.50
X	White Chieftain. White .....	Short	Aug. 31	Nov. 1	3.00	27.50
	White Distinction. White .....	Med.	Ter. Bud	Thanks.	3.00	27.50

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# Large Flowering Commercial Varieties (Continued)

Name and Description	Height	Select		Price per	
		Bud	Matures	100	1000
P White Frick. White. Sport of Helen Frick .....	Short	Ter. Bud	Thanks.	3.00	27.50
Whittier. Yellow .....	Med.	Sept. 15	Nov. 15	3.00	27.50
X William Didden. Yellow. Sport of Indianola .....	Med.	Aug. 25	Oct. 8	3.00	27.50
X Yellow Ambassador. Yellow. Sport of Ambassador .....	Med.	Ter. Bud	Oct. 16-20	4.00	35.00
Yellow Chattanooga. Light yellow .....	Med.	Sept. 20	Nov. 28	3.00	27.50
Yellow December Glory. Light yellow .....	Med.	Sept. 30	Dec. 1-10	3.00	27.50
Yellow Frost. Yellow .....	Short	Early	Early	3.00	27.50
Yellow Gold. Bright golden yellow .....	Tall	Ter. Bud	Nov. 1-15	3.00	27.50
X Yellow Mefo. Yellow. Sport of Mefo .....	Med.	Sept. 15	Nov. 20	3.00	27.50
X Yellow Monument. Yellow. Sport of Monument .....	Med.	Sept. 10	Nov. 5-15	3.00	27.50

## Exhibition Varieties

Name and Description	Height	Select		Price per	
		Bud	Matures	100	1000
Alice Benson. White .....	Med.	2nd Crown	Nov. 1	8.00	75.00
David I. Kelly. Light tan .....	Med.	Aug. 20	Nov. 1-5	20.00	.....
X Dr. J. M. Inglis. Wine purple amaranth with silver reverse .....	Tall	Aug. 25	Nov. 1	8.00	75.00
Earl Kitchner. Bronze .....	Med.	Aug. 20	Nov. 10	8.00	75.00
Elberon. Pink .....	Med.	Aug. 30	Nov. 1	8.00	75.00
X Golden Majestic. Bright yellow .....	Med.	Aug. 20	Oct. 25- Nov. 1	8.00	75.00
X Grace Sturgis. Wine red with pinkish-silver reverse. Attractive novelty color .....	Tall	Aug. 25	Oct. 20	6.00	50.00
J. R. Booth. Yellow .....	Med.	Aug. 15	Nov. 1	8.00	75.00
La France. Purple .....	Med.	Aug. 15	Oct. 28	6.00	50.00
X Louisa Pockett. White .....	Med.	Aug. 10	Nov. 1-15	8.00	75.00
X Majestic. Clear, shiny amber bronze .....	Med.	Aug. 20	Oct. 25	8.00	75.00
X Marian H. Uffinger. Bronzy crimson with a gold reverse	Med.	Aug. 20-25	Nov. 1	8.00	75.00
Mrs. G. G. Mason. Blood red with golden reverse ...	Med.	Aug. 20	Oct. 25- Nov. 1	8.00	75.00
X Mrs. H. S. Firestone. Chamois buff .....	Short	Aug. 25	Nov. 1	8.00	75.00
Mrs. Jules Leeds. Blood red .....	Short	Aug. 25	Nov. 10	8.00	75.00
Nagirroc. Golden bronze .....	Med.	Aug. 15	Nov. 1	8.00	75.00
Nerissa. Rosy lavender .....	Med.	Sept. 5	Nov. 5	8.00	75.00
Niagara. White .....	Med.	Aug. 15	Nov. 5	8.00	75.00
Pockett's Crimson. Crimson with golden reverse .....	Short	Aug. 25	Oct. 25	8.00	75.00
X Red Majestic. Bronzy red .....	Med.	Aug. 25	Nov. 1	8.00	75.00
Rosanda. Old rose .....	Tall	Sept. 10	Nov. 1	8.00	75.00
X Thos. W. Pockett. Pink .....	Med.	Aug. 10	Nov. 1-15	8.00	75.00
X Turner, Bronze. Light bronze .....	Med.	Aug. 25	Nov. 5	6.00	50.00
X Turner, Pink. (Mrs. Leslie Davis.) Pink .....	Med.	Aug. 25	Nov. 5	6.00	50.00
X Turner, William. White .....	Med.	Aug. 25	Nov. 5	6.00	50.00
X Turner, Yellow. Yellow .....	Med.	Aug. 25	Nov. 5	6.00	50.00
X Vermont. Pink .....	Tall	Aug. 10	Nov. 1-15	8.00	75.00
W. H. Waite. Bronze .....	Short	Aug. 15	Nov. 5	6.00	50.00
X W. H. Waite, Imp. Red .....	Short	Aug. 15	Nov. 5	6.00	50.00
William Hazelhurst. Pink .....	Short	Aug. 25	Oct. 29	8.00	75.00
X Yellow Pockett. Yellow .....	Med.	Aug. 10	Nov. 1-15	8.00	75.00

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# Odd Formed—Feathery and Threadlike—Varieties

Name and Description	Height	Select Bud	Matures	Price per	
				100	1000
Patricia Grace. Shell pink .....	Med.	Ter. Bud	Nov. 5	\$6.00	\$50.00
Peggy Ann Hoover. Lavender .....	Short	Ter. Bud	Nov. 5	6.00	50.00
Pride of Tokyo. Creamy pink. A novelty with odd tubular petals .....	Tall	Aug. 25	Nov. 10	6.00	50.00
Unique. Rich wine red .....	Tall	Ter. Bud	Dec.	6.00	50.00

## Pompons—Large Flowering and Button Types

Under the heading of type, we attempt to classify pompons into large and button types. The distinction is largely one of size, though the latter classification contains more of the true, compact, rounded type than the former.

X—Extra good or generally accepted best varieties.
S—Indicates varieties we find most suitable for shading.
P—Indicates varieties suitable for Pot Plants.
D—Indicates smaller flowered varieties most suitable for growing as disbudded pompons.
Two letters mean, besides being extra good, variety is recommended for Pots or Shading.

	Name and Description	Height	Type	Matures	Price per	
					100	1000
	Abelard. Orchid pink .....	Med.	L. Pomp.	Oct. 30	\$12.00	\$100.00
D	Acto. Rose pink .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
	Adelphia. White .....	Short	L. Pomp.	Oct. 15	3.00	27.50
	Agate. Yellow w/red eye .....	Short	Button	Oct. 25	7.00	65.00
	Alecia. Bronze .....	Med.	L. Pomp.	Oct. 30	3.00	27.50
XP	Alice. Pink .....	Med.	L. Pomp.	Nov. 15	3.00	27.50
D	Angello. Light pink .....	Short	L. Pomp.	Oct. 25	3.00	27.50
	Annette. Pink .....	Med.	S. Button	Oct. 30	5.00	40.00
	Autumn Glints. Yellow with crimson center .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
X	Avalon. Orange bronze .....	Med.	L. Pomp.	Thanks.	8.00	75.00
D	Azora. Light pink .....	Tall	L. Pomp.	Oct. 25	3.00	27.50
P	Baby. Yellow .....	Short	S. Button	Nov. 10	3.00	27.50
PD	Ball of Gold. Yellow .....	Med.	L. Pomp.	Nov. 20	3.00	27.50
	Betty Price. Brilliant orange suffused with light bronze	Med.	Button	Nov. 25	3.00	27.50
	Betty Watkins. Bronzy yellow. Fine shaded for late October .....	Med.	L. Pomp.	Thanks.	3.00	27.50
X	Beuneta. Bronze tipped w/gold .....	Med.	L. Button	Nov. 25	4.00	35.00
X	Big Baby. Yellow .....	Med.	Button	Thanks.	3.00	27.50
	Bobbie. Creamy white. Good long stem for shading	Med.	L. Pomp.	Nov. 15-20	3.00	27.50
	Bokhara. Bronze .....	Med.	L. Pomp.	Oct. 25	3.00	27.50
XP	Bonniebell. Orange buff .....	Short	L. Pomp.	Oct. 15	3.00	27.50
	Bonnie Maid. Pink .....	Med.	Button	Oct. 18	3.00	27.50
P	Bright Eyes. Bluish white w/apricot eye .....	Short	Button	Nov. 1	3.00	27.50
X	Bristolite. Bronze .....	Med.	L. Pomp.	Thanks.	3.00	27.50
D	Bronze Acto. Bronze. Sport of Acto .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
X	Bronze Beauty. Bronze .....	Med.	L. Pomp.	Thanks.	3.00	27.50
	Bronze Doty. Bronze .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
	Bronze Eralinda. Dark bronze .....	Med.	L. Pomp.	Oct. 25	3.00	27.50
S	Bronze Queen. Dark bronze .....	Tall	Button	Oct. 25	3.00	27.50
P	Bronze Usona. Bronze .....	Med.	L. Pomp.	Thanks.	3.00	27.50
	Brownie. Dark bronze .....	Med.	S. Button	Nov. 10	3.00	27.50
X	Buttercup. Yellow .....	Tall	L. Pomp.	Dec. 5	4.00	35.00

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# Pompons—Large Flowering and Button Types (Cont.)

	Name and Description	Height	Type	Matures	Price per	
					100	1000
X	Campfire. Red .....	Tall	L. Pomp.	Nov. 20	3.00	27.50
XS	Capt. Cook. Pink. Long stemmed .....	Tall	L. Pomp.	Oct. 20	3.00	27.50
X	Chicago Pearl. White. Very excellent .....	Med.	L. Pomp.	Nov. 15	3.00	27.50
	Christmas Cheer. Deep yellow .....	Med.	L. Pomp.	Dec. 15	7.00	65.00
X	Christmas Gold. Bright yellow .....	Med.	S. Button	Dec. 1	3.00	27.50
	Clara Jameson Imp. Bronze .....	Med.	Button	Oct. 16	3.00	27.50
X	Clare. White .....	Short	S. Button	Nov. 15	3.00	27.50
	Claremont. Bronze .....	Med.	L. Pomp.	Thanks.	3.00	27.50
	Clista. Yellow .....	Short	S. Button	Nov. 10	3.00	27.50
	Clorinda. Bronze .....	Med.	L. Pomp.	Thanks.	3.00	27.50
	Cora Peck Buhl. Yellow. Fine color but not heavy producer .....	Tall	L. Pomp.	Oct. 25	3.00	27.50
X	Cordova. White .....	Med.	L. Pomp.	Thanks.	3.00	27.50
	Creole. Bronze .....	Tall	L. Pomp.	Nov. 5	6.00	50.00
D	Crystal White. White .....	Tall	L. Pomp.	Nov. 10	3.00	27.50
X	Dainty Maid. White tinged with pink .....	Med.	S. Button	Nov. 1	3.00	27.50
X	December Glory (Pomp.) White .....	Med.	L. Pomp.	Dec.	4.00	35.00
	Dorothy Nehrling. Deep rose pink .....	Med.	Button	Nov. 15-20	7.00	65.00
	Dorothy Turner. Bronze .....	Med.	L. Pomp.	Thanks.	3.00	27.50
P	Dotson. Old Rose .....	Short	Button	Oct. 20	3.00	27.50
	Dream. Pink. Semi-Dbl. Attractive color, long stem- med .....	Med.	L. Pomp.	Nov. 20	3.00	27.50
	Dr. W. R. Pettit. Pink w/salmon bronze center .....	Med.	L. Pomp.	Oct. 30	12.00	100.00
	Earliwhite. White .....	Med.	L. Pomp.	Oct. 10	3.00	27.50
	Ecstasy. Clear pink .....	Tall	L. Pomp.	Oct. 25	6.00	50.00
XD	Edith Newberry. Orange rust .....	Tall	L. Pomp.	Nov. 5	3.00	27.50
P	Elizabeth Peterson. Orange crimson .....	Med.	L. Pomp.	Oct. 23	8.00	75.00
XS	Elora. Pearly white .....	Tall	L. Pomp.	Nov. 1-10	3.00	27.50
	Ermalinda. Old rose .....	Med.	L. Pomp.	Oct. 25	3.00	27.50
P	Ethel. Bronze .....	Med.	Button	Oct. 25	3.00	27.50
X	Fez. Chestnut-crimson .....	Med.	Button	Nov. 10	4.00	35.00
D	Fire Ball. Bright crimson .....	Tall	L. Pomp.	Nov. 2	3.00	27.50
S	Fire Bird. Red bronze .....	Med.	L. Pomp.	Oct. 25	3.00	27.50
P	Frank Wilcox, Jr. Bronze .....	Short	Button	Thanks.	3.00	27.50
	Geraldine. Lemon yellow .....	Med.	Button	Dec. 1	7.00	65.00
	Ginza. Yellow .....	Med.	L. Pomp.	Oct. 30	3.00	27.50
X	Glow. Orange. Reddish orange at center .....	Tall	L. Pomp.	Thanks.	4.00	35.00
XD	Gold Coin. Yellow .....	Med.	L. Pomp.	Dec. 1	3.00	27.50
	Gold Drop. Old gold .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
XS	Gold Finch. Yellow .....	Med.	L. Pomp.	Oct. 20	3.00	27.50
P	Gold Mine. Yellow .....	Short	Button	Nov. 1	3.00	27.50
X	Gold Tips. Bronze and gold .....	Med.	L. Pomp.	Thanks.	3.00	27.50
	Golden Climax. Yellow .....	Med.	Button	Nov. 15	3.00	27.50
D	Golden Fairy. Yellow .....	Med.	L. Pomp.	Oct. 20-30	10.00	90.00
X	Golden Fleece. Yellow .....	Med.	L. Pomp.	Nov. 25	7.00	65.00
P	Golden Fringe. Yellow .....	Short	Button	Nov. 20	3.00	27.50
XPD	Golden Herald. Deep golden yellow .....	Med.	L. Pomp.	Oct. 10-15	3.00	27.50
	Golden Nymph. Bronze w/reverse of petals gold ...	Med.	S. Button	Dec. 10	3.00	27.50
X	Golden Sceptre. Yellow .....	Tall	L. Button	Nov. 25	3.00	27.50
X	Golden Splendor. Bright yellow .....	Med.	L. Pomp.	Nov. 6	3.00	27.50
	Golden Spray. Yellow .....	Med.	L. Pomp.	Oct. 15	6.00	50.00
	Golden Varsity. Yellow. Sport of Varsity, deeper shade .....	Short	S. Button	Nov. 10	3.00	27.50
P	Governor Lake. Reddish bronze .....	Short	L. Pomp.	Thanks.	3.00	27.50
	Grenadier. Red .....	Med.	L. Pomp.	Nov. 10	3.00	27.50

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Pompons—Large Flowering and Button Types (Cont.)

Name and Description		Height	Type	Matures	Price per	
					100	1000
	Greta. White .....	Med.	L. Pomp.	Oct. 20	3.00	27.50
	Hasegawa Gold. Yellow .....	Med.	L. Pomp.	Dec. 1	3.00	27.50
D	Henrietta. Lavender .....	Tall	L. Pomp.	Oct. 20	5.00	40.00
	High Lights. White w/salmon eye .....	Tall	Button	Nov. 3	3.00	27.50
	Hilda Canning. Bronze .....	Tall	Button	Nov. 25	3.00	27.50
	Ida Imp. Yellow .....	Med.	L. Pomp.	Oct. 10	3.00	27.50
XSP	Irene. White .....	Short	Button	Oct. 15-20	3.00	27.50
XD	Irene Rich. Pink .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
	Iridescent. Gold and pink in various shades .....	Med.	L. Pomp.	Oct. 15	3.00	27.50
XS	Jemima. Excellent bronze .....	Med.	L. Button	Oct. 28	3.00	27.50
XSP	Jewell. Bright pink .....	Short	L. Button	Oct. 1-15	3.00	27.50
	Joan. Bronzy orange .....	Med.	L. Pomp.	Nov. 20	3.00	27.50
	Joan Wells. Bronze. Sport of Pink Dot.....	Med.	L. Pomp.	Oct. 25	3.00	27.50
	Justine Miller. Reddish bronze .....	Med.	Button	Nov. 20-25	3.00	27.50
	Juva Nicholson. Yellow .....	Med.	L. Pomp.	Nov. 15	3.00	27.50
	LaVera. Pink .....	Med.	L. Pomp.	Nov. 1-10	3.00	27.50
X	Legal Tender. Bronze and gold .....	Med.	L. Pomp.	Nov. 20	3.00	27.50
	Leileh. Rose pink. Too soft for shading .....	Tall	L. Pomp.	Oct. 15	3.00	27.50
	Letitia. White w/pink center .....	Tall	L. Button	Oct. 15	3.00	27.50
	Lilac. Pink .....	Tall	L. Pomp.	Oct. 15	3.00	27.50
XD	Lillian Doty. Shell pink .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
	Little Billy. Sulphur yellow .....	Med.	Button	Nov. 1	7.00	65.00
	Lizzie Adcock. Yellow Sport of Source d'Or .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
XP	Lois. Golden yellow .....	Med.	Button	Nov. 18	3.00	27.50
	Loris. Yellow .....	Med.	L. Pomp.	Dec. 1	12.00	100.00
	Louise Davenport. Bronze .....	Med.	Button	Nov. 10	3.00	27.50
	Lucinda. Deep pink .....	Tall	L. Pomp.	Nov. 12-20	3.00	27.50
	Magatha. White with dark eye .....	Med.	L. Pomp.	Nov. 10	5.00	40.00
	Marcella. Light pink .....	Med.	L. Button	Nov. 25		
				& later	3.00	27.50
	Marguerite Clark. Rose pink .....	Med.	Button	Nov. 5	3.00	27.50
D	Marianna. White .....	Med.	L. Pomp.	Nov. 1-5	3.00	27.50
	Marilyn. Orange tan .....	Med.	L. Pomp.	Oct. 22	3.00	27.50
XS	Mary Lennon Hall. Clear, rich yellow .....	Tall	L. Pomp.	Nov. 1	3.00	27.50
XP	Mary Pickford. White .....	Short	Button	Nov. 1	3.00	27.50
D	Masaka. Yellow .....	Med.	L. Pomp.	Oct. 20	3.00	27.50
D	Masterpiece. Tourmaline pink .....	Med.	L. Pomp.	Nov. 15	3.00	27.50
S	Minong. White .....	Short	Button	Oct. 20-25	3.00	27.50
X	Modena. Yellow .....	Med.	L. Button	Nov. 30	3.00	27.50
	Monadel. Bronze. Sport of Pink Dot .....	Med.	L. Pomp.	Oct. 25	7.00	65.00
P	Mrs. Beu. Good standard bronze .....	Short	L. Pomp.	Thanks.	3.00	27.50
X	Mrs. Mary Hooker. Red .....	Tall	L. Pomp.	Nov. 15	8.00	75.00
	Mrs. N. G. Moore. White. Sport of Olivia .....	Med.	L. Pomp.	Dec. 1-10	3.00	27.50
	Muriel. White .....	Short	Button	Nov. 25	5.00	40.00
D	Muskoka. Bronze .....	Tall	L. Pomp.	Nov. 10	3.00	27.50
	My Pride. Pink .....	Tall	L. Pomp.	Oct. 20	3.00	27.50
	Nellie Kleris. Lavender pink .....	Tall	L. Pomp.	Oct. 25	3.00	27.50
XS	New York. Bronze. Must be planted close for good production .....	Med.	Button	Nov. 15	3.00	27.50
	Norrine. Yellow .....	Med.	Button	Nov. 25	3.00	27.50
XP	November Bronze. Orange bronze .....	Med.	L. Pomp.	Nov. 15	3.00	27.50
	Nubian. Bronzy red .....	Tall	L. Pomp.	Oct. 15-20	3.00	27.50
XSP	Nuggets. Our best early yellow for shading .....	Short	Button	Oct. 25	3.00	27.50
X	Olivia. Pink .....	Med.	L. Pomp.	Dec.	3.00	27.50
XP	Onargo. Light bronze .....	Med.	L. Button	Nov. 1	3.00	27.50

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# Pompons—Large Flowering and Button Types (Cont.)

	Name and Description	Height	Type	Matures	Price per	
					100	1000
	<b>Ouray.</b> Dark scarlet .....	Med.	L. Pomp.	Oct. 25	3.00	27.50
<b>X</b>	<b>Pagosa.</b> Dark pink .....	Med.	L. Pomp.	Dec. 5	3.00	27.50
<b>XP</b>	<b>Patsy Dowd.</b> Red .....	Short	Button	Nov. 5	3.00	27.50
	<b>Pauline Wilcox.</b> Bronze .....	Med.	L. Pomp.	Nov. 5	3.00	27.50
	<b>Pelias.</b> Yellow tipped with bronze .....	Med.	L. Pomp.	Oct. 30	12.00	100.00
<b>XS</b>	<b>Pink Dot.</b> White, with pink center, very excellent ....	Med.	L. Pomp.	Oct. 25	3.00	27.50
	<b>Pink Popcorn.</b> Pink .....	Med.	Button	Oct. 30	3.00	27.50
<b>XS</b>	<b>Princeton.</b> Golden yellow suffused with orange, not heavy producer unless planted close .....	Med.	L. Pomp.	Nov. 15	3.00	27.50
<b>D</b>	<b>Puck.</b> Bluish white .....	Med.	L. Pomp.	Oct. 30	12.00	100.00
<b>P</b>	<b>Red Beu.</b> Reddish bronze .....	Short	L. Pomp.	Thanks.	3.00	27.50
<b>X</b>	<b>Robin Hood.</b> Rich deep red .....	Med.	Button	Early Nov.	3.00	27.50
<b>XSP</b>	<b>Rodell Imp.</b> Yellow. Sport of Rodell producing larger flowers—excellent .....	Short	Button	Oct. 20	3.00	27.50
<b>XS</b>	<b>Roman Bronze.</b> Sport of Capt. Cook .....	Tall	L. Pomp.	Oct. 20	3.00	27.50
<b>D</b>	<b>Romola.</b> Soft pink .....	Med.	L. Pomp.	Nov. 5	3.00	27.50
<b>D</b>	<b>Rose Charm.</b> Rose pink .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
<b>X</b>	<b>Roselea.</b> Pink .....	Med.	L. Pomp.	Dec. 1	3.00	27.50
	<b>Roseus.</b> Light pink sport of Sarda. ....	Med.	L. Pomp.	Oct. 25	7.00	65.00
	<b>Rowenna.</b> Bronze .....	Tall	L. Pomp.	Thanks.	3.00	27.50
	<b>Royal Queen.</b> White .....	Med.	L. Pomp.	Dec. 5	3.00	27.50
	<b>Sarda.</b> Deep pink. Sport of Pink Dot .....	Med.	L. Pomp.	Oct. 25	3.00	27.50
<b>XSD</b>	<b>Sea Gull.</b> White .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
<b>SD</b>	<b>Silver Ball.</b> White .....	Med.	L. Pomp.	Oct. 12	3.00	27.50
	<b>Silver Bells.</b> White .....	Med.	Button	Oct. 15	6.00	50.00
<b>X</b>	<b>Silver Star.</b> White .....	Tall	L. Pomp.	Dec. 5	3.00	27.50
<b>XS</b>	<b>Silver Tips.</b> Bright pink with silver tips .....	Med.	L. Pomp.	Nov. 10	3.00	27.50
<b>D</b>	<b>Snow Bird.</b> White .....	Med.	L. Pomp.	Nov. 15	3.00	27.50
	<b>Snow Cloud.</b> White .....	Med.	L. Pomp.	Oct. 15	3.00	27.50
	<b>Solonore.</b> Bronzy red. Small anemone cushion when fully developed .....	Med.	L. Pomp.	Nov. 15	7.00	65.00
<b>S</b>	<b>Source d'Or.</b> Bronze .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
	<b>Spanish Gold.</b> Yellow .....	Med.	L. Pomp.	Nov. 5	7.00	65.00
	<b>Stardust.</b> Yellow .....	Med.	L. Pomp.	Dec. 1	4.00	35.00
	<b>St. Louis Gold.</b> Deep golden yellow. Sport of Dorothy Turner .....	Med.	L. Pomp.	Thanks.	7.00	65.00
	<b>Suntan.</b> Bronze .....	Med.	L. Pomp.	Oct. 25	3.00	27.50
	<b>Thanksgiving Gem.</b> Orange bronze .....	Med.	Button	Thanks.	3.00	27.50
<b>D</b>	<b>Thyra.</b> Dark pink .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
<b>X</b>	<b>Tokyo.</b> Yellow .....	Med.	L. Button	Dec.	3.00	27.50
<b>X</b>	<b>Tom Pearson.</b> Deep gold .....	Tall	L. Pomp.	Nov. 15	4.00	35.00
	<b>Tonquin.</b> Rose color .....	Med.	L. Pomp.	Dec. 10	3.00	27.50
	<b>Topaz.</b> Chestnut mahogany bronze .....	Med.	L. Pomp.	Thanks. & later	3.00	27.50
	<b>Touchdown.</b> White with yellow cast at center .....	Med.	L. Pomp.	Oct. 25	6.00	50.00
<b>D</b>	<b>Unalga.</b> Yellow .....	Med.	L. Pomp.	Nov. 25	3.00	27.50
<b>X</b>	<b>Usona.</b> Pink .....	Med.	L. Pomp.	Thanks.	3.00	27.50
	<b>Uvalda.</b> White .....	Med.	L. Pomp.	Oct. 10	3.00	27.50
<b>XD</b>	<b>Vera Victoria.</b> Yellow .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
	<b>Western Beauty.</b> Pink .....	Short	L. Pomp.	Nov. 15-25	3.00	27.50
<b>XSD</b>	<b>White Doty.</b> White .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
	<b>White Ermalinda.</b> White .....	Med.	L. Pomp.	Oct. 25	7.00	65.00
<b>XSP</b>	<b>White Jewell.</b> White suffused with pink .....	Short	L. Button	Oct. 1-15	7.00	65.00
	<b>Yellow Bird.</b> Yellow .....	Med.	L. Pomp.	Nov. 18	3.00	27.50
<b>XS</b>	<b>Yellow Dot.</b> (Jablonsky.) Yellow. Sport of Pink Dot	Med.	L. Pomp.	Oct. 25	3.00	27.50

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# Pompons—Large Flowering and Button Types (Cont.)

Name and Description	Height	Type	Matures	Price per	
				100	1000
D Yellow Doty. Yellow .....	Med.	L. Pomp.	Nov. 1	3.00	27.50
XP Yellow Fellow. Yellow .....	Med.	L. Pomp.	Nov. 15	3.00	27.50
D Yellow Muskoka. Bronzy yellow .....	Tall	L. Pomp.	Nov. 10	3.00	27.50
XS Yellow New York. Yellow. Sport of New York .....	Med.	Button	Nov. 15	3.00	27.50
X Yellow Silver Star. Yellow. Sport of Silver Star .....	Tall	L. Pomp.	Dec. 10	3.00	27.50
XP Yuletide, White. White .....	Short	L. Pomp.	Dec. 1	3.00	27.50
P Yuletide, Yellow. Yellow .....	Short	L. Pomp.	Dec. 1	3.00	27.50
XPD Yuvawn. Yellow .....	Med.	L. Pomp.	Nov. 25	3.00	27.50
Yvonne. Red .....	Short	S. Button	Oct. 30	5.00	40.00
Zoe. Golden bronze .....	Med.	L. Button	Nov. 20	3.00	27.50

## Anemone Flowered Varieties

X—Extra good or generally accepted best varieties.

P—Indicates varieties suitable for Pot Plants.

D—Indicates smaller flowered varieties most suitable for growing as disbudded pompons.

Two letters mean, besides being extra good, variety is recommended for Pots or Shading.

Name and Description	Height	Matures	Price per	
			100	1000
D Adenlair Shell pink .....	Med.	Nov. 15-30	\$3.00	\$27.50
D Admiration. Orchid with lighter reverse .....	Med.	Oct. 28	3.00	27.50
D Aloysia. Bright yellow with slight red shading on reverse .....	Med.	Nov. 1	3.00	27.50
XPD Beautiful Lady. Bright pink petals with creamy white cushion (Choice color) .....	Short	Nov. 20	3.00	27.50
D Berneita. Shell pink petals, white cushion .....	Med.	Nov. 1	3.00	27.50
XD Betty Rose. Pink, both petals and cushion .....	Med.	Nov. 1	3.00	27.50
D Bizarre. Purplish rose petals tipped with gold. Bronzy cushion	Med.	Nov. 10	7.00	65.00
XD Blanche. White .....	Med.	Oct. 27	3.00	27.50
D Bronze Groff VonOriole. Bronze .....	Med.	Nov. 15-20	3.00	27.50
X Bronze Norma. Bronze. Sport of Norma .....	Med.	Nov. 10- Dec.	5.00	40.00
X Bronze Volunteer. Rich bronze. Sport of Volunteer .....	Med.	Thanks.	3.00	27.50
D Buff Queen. Bronzy buff .....	Med.	Nov. 1	3.00	27.50
D Calypso. Orange suffused with pink .....	Med.	Oct. 28	3.00	27.50
D Captivation. Mahogany red. (Exhibition) .....	Tall	Nov. 10	3.00	27.50
D China Rose. Dragon's blood red .....	Med.	Nov. 10	3.00	27.50
X Chrome Emerald. Golden orange with gold cushion .....	Med.	Nov. 25	8.00	75.00
Citrus Queen. Lemon orange .....	Med.	Dec. 1	7.00	65.00
XD Coral Blaze. Orange bronze .....	Med.	Nov. 25	8.00	75.00
XPD Crimson Glow. Crimson maroon .....	Med.	Nov. 25-30	3.00	27.50
D Dark Pink Norma. Dark pink .....	Med.	Nov. 10- Dec.	3.00	27.50
X Early Garza Supreme. White .....	Short	Nov. 25	4.00	35.00
XD Espy's Dark Pink Supreme. Sport of Pink Supreme. Fine late pink .....	Tall	Nov. 30	6.00	50.00
D Espy's White Supreme. White .....	Tall	Nov. 30	10.00	90.00
XD Estrelita. Bronze throughout, with a full regular cushion.....	Med.	Nov. 15th & later	3.00	27.50
P Eugene Langaulet. Bright yellow .....	Short	Thanks.	3.00	27.50
D Eva Le Gallienne. Crushed raspberry with center of gold .....	Med.	Oct. 25	12.00	100.00
P Fascination. White with sulphur colored cushion .....	Med.	Nov. 15-30	10.00	90.00
XD Freida. Pink .....	Med.	Nov. 15	4.00	35.00
Garnet. Red .....	Tall	Nov. 20-25	3.00	27.50
X Garza Supreme. White. Valuable to hold for January .....	Short	Dec.	3.00	27.50

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# Anemone Flowered Varieties (Continued)

	Name and Description	Height	Matures	Price per	
				100	1000
	<b>Godfrey's Perfection.</b> White .....	Short	Thanks.	3.00	27.50
	<b>Golden Lida Thomas.</b> Yellow .....	Med.	Thanks.	3.00	27.50
<b>XPD</b>	<b>Graceland.</b> Pure white, with yellow center .....	Short	Oct. 25	3.00	27.50
<b>PD</b>	<b>Izola.</b> Amaranth .....	Med.	Nov. 1	3.00	27.50
<b>D</b>	<b>John Shields.</b> Yellow .....	Med.	Nov. 10	3.00	27.50
<b>PD</b>	<b>Laelia.</b> Rose pink .....	Short	Nov. 1	3.00	27.50
	<b>Lida Thomas.</b> White petals, and yellow centers .....	Med.	Thanks.	3.00	27.50
<b>XPD</b>	<b>Margo.</b> Pinkish violet outer petals, with high, round, yellow cushion .....	Short	Nov. 5	3.00	27.50
<b>D</b>	<b>Marietta.</b> Soft pink with very full cushion .....	Med.	Oct. 20	3.00	27.50
<b>D</b>	<b>Maritza.</b> Bright yellow with full highly rounded cushion .....	Med.	Thanks.	3.00	27.50
<b>P</b>	<b>Millie.</b> Light yellow .....	Med.	Nov. 15	3.00	27.50
<b>D</b>	<b>Milton.</b> Velvet red with low yellow center .....	Tall	Nov. 30	10.00	90.00
<b>D</b>	<b>Mrs. J. S. Roberts.</b> Crimson, mauve, and violet .....	Med.	Nov. 10	7.00	65.00
<b>XSD</b>	<b>Norma.</b> Orchid pink petals with golden pink cushion. Excellent .....	Med.	Nov. 10- Dec.	3.00	27.50
<b>PD</b>	<b>Noveltie.</b> White throughout, with large cushion .....	Short	Nov. 15	3.00	27.50
<b>D</b>	<b>Orange Glow.</b> Rich orange .....	Med.	Nov. 10	3.00	27.50
<b>XP</b>	<b>Orchid Beauty.</b> Orchid with golden cushion .....	Med.	Nov. 15	4.00	35.00
<b>PD</b>	<b>Pink Lady.</b> Pink petals with light pink cushion .....	Short	Nov. 15	3.00	27.50
<b>D</b>	<b>Pink Supreme.</b> Delicate shell pink petals, with cushion somewhat lighter .....	Tall	Nov. 30	3.00	27.50
<b>XPD</b>	<b>Red Rolinda.</b> Red. Sport of Rolinda .....	Med.	Nov. 20- Dec. 1	4.00	35.00
	<b>Rio Rita.</b> Yellow .....	Med.	Nov. 10	3.00	27.50
<b>XPD</b>	<b>Rolinda.</b> Orange bronze .....	Med.	Nov. 20- Dec. 1	3.00	27.50
<b>D</b>	<b>Rose Madder.</b> Deep rose pink .....	Med.	Oct. 25	3.00	27.50
<b>XD</b>	<b>Smith's Innocence.</b> White .....	Tall	Nov. 5	3.00	27.50
<b>D</b>	<b>Stoplight.</b> Terra cotta petals with low yellow cushion .....	Med.	Nov. 5	3.00	27.50
<b>X</b>	<b>Sunray.</b> Yellow .....	Med.	Nov. 15	3.00	27.50
<b>PD</b>	<b>Sunshine.</b> Yellow .....	Short	Thanks.	3.00	27.50
<b>XD</b>	<b>Susanne Miller.</b> Yellow. Sport of Norma .....	Tall	Nov. 10- Dec. 1	3.00	27.50
<b>D</b>	<b>The Belle.</b> Pure white .....	Med.	Nov. 1-5	3.00	27.50
<b>XD</b>	<b>The Titan.</b> Scarlet crimson with bronzy red cushion .....	Med.	Nov. 5	3.00	27.50
<b>D</b>	<b>Topknot.</b> Creamy white cushion, rosy pink petals .....	Tall	Nov. 5	3.00	27.50
<b>D</b>	<b>Triumph.</b> Golden bronze .....	Med.	Oct. 25	3.00	27.50
<b>XD</b>	<b>Tuxedo.</b> Pink. Excellent light color .....	Med.	Nov. 10	3.00	27.50
	<b>Volunteer.</b> Yellow .....	Med.	Thanks.	3.00	27.50
<b>D</b>	<b>Western Star.</b> Purple with cream colored cushion .....	Med.	Nov. 20	10.00	90.00
<b>XD</b>	<b>White Anemone.</b> White .....	Med.	Nov. 1	8.00	75.00
<b>D</b>	<b>White Berneita.</b> White .....	Med.	Nov. 1	3.00	27.50
<b>PD</b>	<b>White Izola.</b> White. Sport of Izola .....	Med.	Nov. 1	4.00	35.00
<b>XD</b>	<b>White Norma.</b> White .....	Med.	Nov. 1	3.00	27.50
<b>X</b>	<b>Yellow Blanche.</b> Yellow. Sport of Blanche .....	Med.	Oct. 27	4.00	35.00
<b>X</b>	<b>Yellow Garza Supreme.</b> Yellow .....	Short	Dec. 1	3.00	27.50
<b>XPD</b>	<b>Yellow Rolinda.</b> Deep golden yellow. Sport of Rolinda .....	Med.	Nov. 20- Dec. 1	4.00	35.00

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# Single Varieties—Daisy Type

**X**—Extra good or generally accepted best varieties.

**S**—Indicates varieties we find most suitable for shading.

**P**—Indicates varieties suitable for Pot Plants.

**D**—Indicates smaller flowered varieties most suitable for growing as disbudded pompons.

	Name and Description	Height	Matures	Price per	
				100	1000
<b>X</b>	<b>Absolute.</b> Scarlet bronze with yellow center .....	Med.	Nov. 1	\$6.00	\$50.00
<b>X</b>	<b>Aloma.</b> Terra cotta bronze with yellow center .....	Med.	Oct. 15	3.00	27.50
<b>XP</b>	<b>Buckingham, Bronze.</b> Bronze .....	Short	Nov. 5	3.00	27.50
<b>XP</b>	<b>Buckingham, W. H.</b> Pink .....	Short	Nov. 5	3.00	27.50
<b>XP</b>	<b>Carnelia.</b> Red .....	Short	Nov. 30	8.00	75.00
	<b>Charter Oak.</b> Yellow .....	Tall	Nov. 25	3.00	27.50
	<b>Christmas Cheer.</b> Scarlet. Sport of Mrs. E. D. Godfrey .....	Tall	Thanks.	3.00	27.50
	<b>Dawn. (Hasegawa.)</b> Chestnut bronze .....	Tall	Dec. 10-25	7.00	65.00
<b>X</b>	<b>Elizabeth Firestone.</b> Pink .....	Med.	Nov. 15	3.00	27.50
			& Later		
<b>X</b>	<b>Elizabeth McDowell.</b> Bronze .....	Med.	Nov. 15	3.00	27.50
	<b>Golden Gleam.</b> Yellow .....	Tall	Nov. 20	3.00	27.50
<b>X</b>	<b>Golden Mensa.</b> Yellow .....	Med.	Nov. 10	3.00	27.50
<b>X</b>	<b>Gretchen Piper.</b> Yellow .....	Med.	Oct. 25	3.00	27.50
	<b>Hasegawa Josephine.</b> Bronze .....	Tall	Dec. 5-20	7.00	65.00
	<b>Hasegawa Minoru.</b> Rusty bronze .....	Tall	Dec. 5-20	7.00	65.00
	<b>Hasegawa Pink.</b> Pink with golden center .....	Med.	Nov. 15-25	7.00	65.00
<b>X</b>	<b>Hasegawa Poinsettia.</b> Poinsettia red .....	Tall	Thanks.	4.00	35.00
<b>XP</b>	<b>Helen Hubbard.</b> Red .....	Med.	Thanks.	3.00	27.50
<b>P</b>	<b>Ida Skiff.</b> Bronze .....	Short	Nov. 1	3.00	27.50
<b>D</b>	<b>Joan Piper.</b> Amber bronze .....	Med.	Oct. 10	8.00	75.00
	<b>Lady Astor.</b> Bright crimson .....	Med.	Thanks.	5.00	40.00
<b>X</b>	<b>Lighthouse.</b> Bronze shading to watermelon red .....	Med.	Nov. 1-15	7.00	65.00
<b>P</b>	<b>Mabel Seymour.</b> White .....	Med.	Nov. 5	12.00	100.00
	<b>Margaret Waite.</b> Cerise pink. Sport of Mrs. E. D. Godfrey .....	Tall	Thanks.	3.00	27.50
<b>X</b>	<b>Mason's Bronze.</b> Burnt orange .....	Med.	Nov. 5	5.00	40.00
<b>XPD</b>	<b>Melba.</b> Reddish bronze .....	Med.	Nov. 5	3.00	27.50
	<b>Miss Isabelle.</b> Bronze .....	Tall	Thanks.	3.00	27.50
	<b>Mrs. Darling.</b> Red .....	Med.	Nov. 1	3.00	27.50
	<b>Mrs. E. D. Godfrey.</b> Light pink .....	Tall	Thanks.	3.00	27.50
	<b>Radiant.</b> Bright red .....	Med.	Nov. 5-10	3.00	27.50
<b>XPD</b>	<b>Red Melba.</b> Red .....	Med.	Nov. 5	7.00	65.00
<b>XD</b>	<b>Red Rover.</b> Crimson orange .....	Med.	Nov. 5	4.00	35.00
	<b>Rich Red.</b> Red .....	Med.	Nov. 10	3.00	27.50
	<b>Robert Bacon.</b> Bronzy gold tipped with red .....	Med.	Thanks.	7.00	65.00
	<b>Ruth Adams.</b> Bronze .....	Tall	Nov. 5	3.00	27.50
<b>XP</b>	<b>Sunburst.</b> Sunburst orange .....	Med.	Nov. 25	8.00	75.00
<b>X</b>	<b>Sunny Boy.</b> Yellow .....	Med.	Nov. 15	3.00	27.50
<b>X</b>	<b>Sunset.</b> Yellow .....	Med.	Dec. 10-25	4.00	35.00
<b>XP</b>	<b>Tagoya.</b> Brilliant goya red .....	Short	Nov. 1-5	4.00	35.00
	<b>P Thanksgiving Bronze.</b> Dark bronze .....	Med.	Thanks.	3.00	27.50
<b>XD</b>	<b>Valencia.</b> Orchid pink .....	Tall	Nov. 30	3.00	27.50
	<b>White Godfrey.</b> White .....	Tall	Thanks.	3.00	27.50
<b>X</b>	<b>White Mensa.</b> White .....	Med.	Thanks.	3.00	27.50
<b>X</b>	<b>Woburn.</b> Pink .....	Tall	Nov. 15	3.00	27.50
	<b>Yellow Godfrey.</b> Yellow .....	Tall	Thanks.	3.00	27.50

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# Hardy Varieties

X—Extra good or generally accepted best varieties.  
P—Indicates varieties suitable for Pot Plants.

Name and Description	Height	Type	Matures	Price per	
				100	1000
X A. Barham. Orange bronze .....	Short	Decorative	Oct. 1	\$3.00	\$27.50
X Adelaide. Mahogany .....	Med.	Button	Early Oct.	3.00	27.50
X Albert Muller. Apricot suffused with pink .....	Med.	Decorative	Oct. 1	3.00	27.50
Alice Howell. Orange yellow .....	Med.	Single	Oct. 5	3.00	27.50
X Aladdin. Bronze .....	Short	Decorative	Sept.	3.00	27.50
X Amelia. (Pink Cushion.) Bright pink .....	Short	Decorative	Sept.	3.00	27.50
X Barbara Cummings. Yellow shading to bronze .....	Med.	Decorative	Sept.	3.00	27.50
Carrie. Yellow .....	Med.	Decorative	Early	3.00	27.50
X Cavalier. Rich vermillion-red .....	Med.	Single	Oct. 15	3.00	27.50
Crimson Splendor. Crimson .....	Med.	Single	Sept.	3.00	27.50
Dazzler. Cardinal red .....	Med.	Single	Oct. 10-15	3.00	27.50
XP Early Bronze. Bronze .....	Short	Button	Sept.	3.00	27.50
P Early Yellow. Yellow. Sport of Early Bronze .....	Short	Button	Sept. 15	8.00	75.00
XP Eden. Rose pink .....	Short	Decorative	Oct. 1	3.00	27.50
Evelyn. Bronze .....	Med.	Decorative	Oct. 1-5	3.00	27.50
X Francis Whittlesey. Rich bronze and garnet .....	Short	Decorative	Sept. 30	3.00	27.50
X Ganna. Bright pink .....	Med.	Decorative	Oct. 12	3.00	27.50
P Glada. Soft pink .....	Short	Decorative	Sept.	3.00	27.50
Glomero. Bronzy orange .....	Med.	Button	Oct. 5	3.00	27.50
X Granny Scovill. Warm coral bronze .....	Dwarf	Decorative	Oct. 15	3.00	27.50
Gypsy Girl. Chestnut crimson .....	Short	Single	Early Oct.	3.00	27.50
X Indian Summer. Bronze .....	Med.	Single	Oct. 25	8.00	75.00
Jack Bannister. Light yellow .....	Med.	Decorative	Oct. 10	3.00	27.50
X Jean Cummings. White .....	Med.	Decorative	Sept.	3.00	27.50
X Jean Treadway. Pink with dark center .....	Med.	Decorative	Oct. 1-10	3.00	27.50
XP Judith Anderson. Yellow .....	Short	Button	Oct. 25	8.00	75.00
X Lorelei. Yellow .....	Med.	Decorative	Sept. 10	3.00	27.50
Margot. White .....	Short	Button	Oct. 8	3.00	27.50
Mrs. L. Birchard. Shell pink .....	Med.	Button	Oct. 10-15	3.00	27.50
X Murillo. Pink .....	Med.	Decorative	Oct. 12	3.00	27.50
X Normandie. White .....	Short	Decorative	Sept.	3.00	27.50
October Girl. Rose pink .....	Short	Decorative	Early Oct.	3.00	27.50
Provence. Soft pink blended with yellow .....	Med.	Decorative	Sept.	3.00	27.50
Red Flare. Bright red .....	Med.	Button	Oct. 15	3.00	27.50
X R. Marion Hatton. Canary yellow .....	Med.	Decorative	Oct. 1-10	3.00	27.50
X Rosy Gem. Bright pink or rose .....	Med.	Decorative	Oct. 15	3.00	27.50
X Ruth Cummings. Reddish bronze .....	Med.	Decorative	Early Oct.	3.00	27.50
X Ruth Hatton. Ivory white .....	Short	Decorative	Oct. 10	3.00	27.50
September Queen. White .....	Short	Decorative	Sept.	3.00	27.50
Sonoma. Bronze with golden reverse .....	Short	Decorative	Oct. 1	3.00	27.50
Tasiva. White .....	Med.	Decorative	Sept.	3.00	27.50
Vivid. Rosy crimson .....	Med.	Decorative	Oct. 1-10	3.00	27.50
X Wolverine. Yellow .....	Med.	Decorative	Sept.	3.00	27.50
P Yellow Gem. Canary yellow .....	Med.	Button	Oct. 5-10	3.00	27.50
X Yellow Normandie. Yellow .....	Med.	Decorative	Early	3.00	27.50

## Japanese Mountain or Cascade Varieties

P—Indicates varieties suitable for Pot Plants.

Name and Description	Height	Matures	Price per	
			100	1000
P Anna. Pure white single .....	Short	Oct. 30	\$6.00	\$50.00
Brown Button. Bronze .....	Med.	Nov. 10	6.00	50.00
P Jane Harte. Yellow single .....	Short	Oct. 30	6.00	50.00

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# Pot Plant Varieties

In addition to varieties listed here as essentially intended for pot plant culture, many of the varieties listed under Pompons are excellent as pot plants. Short and medium sorts should be used for this. A number of such varieties are denoted by the letter (P).

X—Extra good or generally accepted best varieties.

D—Indicates smaller flowered varieties most suitable for growing as disbudded pompons.

Name and Description	Height	Type	Matures	Price per	
				100	1000
X Autumn Glow. Bronze red .....	Short	L. Pomp.	Nov. 1	\$8.00	\$75.00
X Benoit. Deep pink .....	Short	L. Pomp.	Oct. 20-25	3.00	27.50
X Bright Light. Bright yellow .....	Short	L. Pomp.	Nov. 20	3.00	27.50
D Bronze Prince. Bronze .....	Short	L. Pomp.	Nov. 1	3.00	27.50
Brutus. Bronze .....	Short	L. Pomp.	Nov. 10	8.00	75.00
XD Caprice, Butler. Deep pink .....	Short	L. Pomp.	Oct.	3.00	27.50
XD Caprice, Lilac. Deep lilac .....	Short	L. Pomp.	Oct.	3.00	27.50
XD Caprice, Purple. Purple .....	Short	L. Pomp.	Oct.	3.00	27.50
Caprice, White. White .....	Short	L. Pomp.	Oct.	3.00	27.50
Caprice, Yellow. Yellow .....	Short	L. Pomp.	Oct.	3.00	27.50
X Floradora. Light bronze florets, orange cushion .....	Short	Anemone	Nov. 1	3.00	27.50
D Greystone. Golden orange .....	Short	L. Pomp.	Nov. 10	3.00	27.50
XD Kathleen Thompson. Bronze .....	Short	L. Pomp.	Oct.	3.00	27.50
XD Ohio State. Yellow .....	Short	Anemone	Nov. 1	3.00	27.50
Patty. Pink .....	Short	L. Pomp.	Late	3.00	27.50
X Pygmy. Light pink .....	Short	L. Pomp.	Nov. 10	3.00	27.50
PD Rose Mandel. Deep lavender. Pot plant variety .....	Short	L. Pomp.	Oct. 15	8.00	75.00
XD Savanta. White, with tint of pink .....	Short	L. Pomp.	Nov. 1	3.00	27.50
XD Titian Beauty. Bronze .....	Short	Anemone	Nov. 25	3.00	27.50
XD W. H. Lincoln. Yellow .....	Short	L. Pomp.	Late	3.00	27.50

## Hardy Korean Varieties

Name and Description	Height	Type	Matures	Price per	
				100	1000
Agnes Selkirk Clark. Apricot salmon .....	Med.	Single	Sept. 25	\$12.00	\$100.00
Aphrodite. Blush pink. Extra free single .....	Short	Single	Oct. 15	8.00	75.00
Apollo. Bronze red .....	Med.	Single	Oct. 12	3.00	27.50
Ceres. Old gold .....	Med.	Single	Oct. 10	3.00	27.50
Country Girl. Pink .....	Tall	Single	Oct. 10	3.00	27.50
Daphne. Pink .....	Med.	Single	Oct. 12	3.00	27.50
Diana. Rose pink .....	Med.	Single	Oct. 12	3.00	27.50
Ember. Coral and orange bronze .....	Med.	Decorative	Oct. 15	15.00	135.00
Hebe. Lavender pink .....	Med.	Single	Oct. 15	5.00	45.00
Innocence. White .....	Short	Single	Sept.	3.00	27.50
King Midas. Yellow .....	Med.	Decorative	Sept. 30	15.00	135.00
Louise Schling. Bronze salmon .....	Med.	Single	Oct. 5	3.00	27.50
Mars. Wine-red .....	Med.	Single	Oct. 15	3.00	27.50
Mercury. Blend of old rose and salmon .....	Med.	Single	Sept. 30	3.00	27.50
Nancy Copeland. Red .....	Med.	Single	Sept. 25	12.00	100.00
Orion. Canary yellow .....	Med.	Single	Oct. 5	5.00	45.00
Pink Lustre. Orchid pink .....	Med.	Single	Sept. 25	12.00	100.00
Romany. Reddish bronze .....	Med.	Decorative	Oct. 5	8.00	75.00
Saturn. Bronze .....	Med.	Single	Oct. 12	8.00	75.00
The Moor. Amaranth purple .....	Short	Decorative	Sept. 25	15.00	135.00
The Urchin. Crushed raspberry and gold .....	Med.	Semi-double	Oct. 10	12.00	100.00
Venus. Pink .....	Med.	Single	Oct. 12	8.00	75.00
Vulcan. Bronze crimson .....	Med.	Single	Oct. 5	5.00	45.00

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Silver ~~Ball~~<sup>Sheet</sup>, disbudded, with Good News in the background.

## OCTOBER MUMS IN SEPTEMBER

For the last 6 or 8 years we have annually heard the prediction that black cloth Mums in September would easily be overdone. With equal regularity the demand has not been consistently met. Occasionally an extensive grower has temporarily embarrassed the markets, but on the whole more good local grown Pompons and standards could have been grown to advantage for the early markets.

As we see it, the reason for this shortage is, primarily, that the grower does not meet the requirements of this forcing plan, resulting in short stemmed flowers and frequently loss thru rain and frost when grown outside the regular greenhouse.

In our latitude the planting must be done early in May, tho naturally long-stemmed kinds, especially if under favorable growing conditions, can and perhaps should go in around May 15th. Unchecked, vigorous young stock that will go right ahead, tho naturally short-stemmed, should make plenty growth in two months. From the time shade is applied until in flower, we find the average standard or big Mum will lengthen 18-20", the Pompons around 14-16 ". This will, of course, vary some with the season and condition of the stock; but the figures will help in determining whether or not our plants are tall enough, when the time comes, to be worth shading. If they are not, better let them come naturally, for the profit in shading easily disappears with short-stemmed flowers. The cost of cloth at 18-20c per sq. yd. is a substantial item.

This season we tried out a grade of good Kraft paper costing 6-7c per sq. yd., depending upon how much is ordered. It worked out all right, and the same material, if cared for, can be used another season. However, we believe a cheaper grade to be used one season will be more satisfactory. For 4-6 ft. beds to be shaded individually, cloth should be used on the sides because it can be more readily attached with rings to top side wire and pushed back during the day. We find it a mistake to leave this side shade or cloth in

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position during the day. It not only shuts out some light, but seriously interferes with the free circulation of air, resulting in decay of lower foliage.

We find that paper lends itself to rolling up on a round pole quite as well as does cloth, and it can be used on top of individual beds fully as well as cloth. Also, we find it works to best advantage when used over-the-top of small or medium size houses. Such a house using cloth is pictured on page 24, and it will be noted that the material is easily rolled up or let down by means of ropes and pulleys. The picture doesn't show one section in which paper was used, and we are glad to say the paper worked exactly as well as does cloth. We find the most economical method of using either cloth or paper is this method of rolling it over the outside of a small house as shown. The sash house pictured is 20 ft. wide and is sheltered by larger houses. This plan may not be practical on a larger or more isolated modern house. The large Mail Order firms carry a full line of paper suitable for this purpose.

We use the sash house shown only for either Pompons or Mums that flower naturally late in November. Thru shading in these houses they are flowered around mid-October. At this time, in our latitude, the glass roof protection is necessary, especially for standard Mums. Farther south it will hardly be necessary until November. But in growing for a competitive market remember that the combination of rains and cool weather spoil the perfect finish so necessary in stock shipped to market. Big Mums that flower naturally in October are flowered to perfection, in these sash shelters, in late September and early October, but Pompons of the same date are flowered perfectly in the open with no glass protection. The growth, in the sash house, is equally superior, for no side walls are used, permitting practically as free air circulation as when grown in the open. Such conditions produce distinctly superior stock to that grown all summer in modern, costly hot houses.

Don't be misled into believing that this method is easy or inexpensive. It costs to plant good unchecked stock in early May when most of us are overcrowded with spring work. But if we can manage it right, we repeat, this planting pays. For this OUTDOOR September flowering crop, for which Pompons only are used in our latitude, we have planned a form of construction for next year, based on our sash house idea, that might be of interest. Briefly stated, it is the outdoor sash house plan without sash or glass. It will be about 20 ft. wide and consist only of framework to support the cloth, the same as over-the-glass shading plan shown on page 24. We find with this over-the-house plan the paper or cloth is not only more quickly applied or removed, but less material is needed. The reason for this is that when beds are shaded individually, additional material is needed for sides. Another and more important advantage in the over the roof plan of shading, especially when paper is used, is that water from rains readily runs off. On the individual bed, with the paper flat, rain water collects, sometimes with disastrous results. This disadvantage with the 5 or 6 ft. individual bed can be overcome by giving the paper some pitch. But we easily figure considerable reduction in overhead by covering three or four 5 ft. beds with a frame work, as suggested, that will give a pitched roof on which the rope and pulley arrangement will adjust the shading material.

In any regular greenhouse area that is free of interfering posts, the shading plan for Mums should call for spreading it out over beds and walks. This does away with the side wall of all individual beds, but one side wall about the entire area being necessary. This not only requires less material, but

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saves time in adjusting it. The over-the-roof plan cannot of course be used in a regulation house with ridge ventilators, but for our cold house plan it works perfectly. And let us repeat such inexpensive houses produce better flowers at less cost than when grown in a regulation hot greenhouse. A few words on the fundamentals of black cloth shading—Mums come under the heading of what is known as "short day" plants which means that the setting of buds is influenced by the shortening days of fall. If daylight is prolonged with artificial lights, their setting or formation is delayed, and this is taken advantage of commercially and at small cost. The flowering of any choice November variety can be delayed until December or a December variety until January.

### **To Defer Flowering**

The planting should be done fairly early for this delayed flowering because a substantial growth naturally produces better results. For all mid-season kinds, light should be started Aug. 20th. For the December kind, delay lighting until August 25th,—a later start than these dates results in long necks and frequently malformed flowers.

Use 40 Watt bulbs with reflectors, of course. Suspend these lights at intervals of 5 ft. and high enough to spread the light well over the bed. Use the lights three hours each night. We prefer to lengthen daylight by turning on lights when darkness is reached, continuing for the prescribed three hours. Continue the lights each day for three-fourths as many days as it is wished to delay flowering, for example if we wish to delay flowering 20 days, use the lights 15 days. It is not considered practical to delay flowering more than three, possibly four weeks. Take first bud showing after light treatment has stopped. The behavior of varieties varies some under this treatment, but success with the above suggestions has been fairly uniform. But, naturally enough most interest centers on getting flowers in early and this calls for the artificial shortening of daylight hours. This is done by pulling cloth or paper over them about 6 o'clock, leaving it on until 7 o'clock, the following morning. In using cloth, inside of shaded bed will not be totally dark, but no opening should be left that will let light stream in. Wherever this happens, setting of buds will be delayed accordingly. Should the shading be missed a night or two, no appreciable difference will result. No need for it after dark, of course, so if it should be blown off in the night, nothing will happen. With big Mums, buds will set in between three and four weeks after shading begins. When all are well set, discontinue shade, and take or select the center bud which is usually a terminal. The late flowering kind will take a few days longer to appear, in fact, they might be from one to two weeks longer in finishing. Most October varieties we find can be finished, ready to cut, in 60 days from starting shade, while 70-75 days should be counted on for the November kind. We have flowered early October kind in 50 days from starting shade. Pompons call for about the same length of time to finish, but shade should be maintained until lower or side buds are set. If stopped with the appearance of the first or terminal bud, all below it will, of course, be undeveloped. The general rule is to shade until the top buds show some color. This should be done for pot plants but it is unnecessary for cutting because three or four flowers is usually all that have time to open.

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Sash Houses of Lowe & Shawyer, Ltd. near London, England, in which Chrysanthemums are grown. These inexpensive houses should interest American Mum growers because of their economical construction and the ideal condition they provide for cool temperature crops.

For Pompons grown in the open we leave the rolled up cloth in position ready to roll over the bed for protection against a possible frost. We go still further in this by running a few 1 inch steam pipes down the walks. They are not often needed for late September Pompons, but they save the crop one year out of three or four, and generally the crop is valuable after a hard early freeze. In our latitude the more substantial protection of a glass roof as well as some artificial heat is necessary for clean finished, marketable flowers around October 10-15th. The choice November kind, such as Betty Watkins, Bobbie, Chicago Pearl, Dream, Mrs. Beu, Yellow New York and Mary Lennon Hall are flowered around the above dates by starting the shade August 15th.

These varieties are, of course, superior to such as flower naturally in October. On the other hand, the following, that flower naturally in that month, without shading are very excellent. Nuggets, Improved Rodell, Jewell, White Jewell, Minong, Pink Dot and Yellow Dot.

### The Big Mums

The large standard Mums are not so hard and therefore will not stand exposure to moisture as will the Pompons, yet we have noted in the latitude of New York City 6 ft. outdoor beds of October kind shaded into flower around the middle of September under the protection of nothing more than hot bed sash, and such sash most every grower has an ideal supply of during late summer and fall. In most locations such a plan would call for protection against insects which could be done with aster cloth for the sides of such a bed. With this plan the sash need not be put in place until perhaps mid-summer. At that time their protection with perhaps a slight shade, will tend to keep the growth soft and draw the stems some. Such a bed would have to be in a sheltered location and the cloth or paper for shading could be unrolled across the top and down both sides in wide, 18 ft. sections, as sug-

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gested for use over cold houses. We can say nothing from experience with this plan, but we believe it could be worked out to good advantage, especially South of us. It would require more shading material because of the sides and more attention than our wider cold or sash house plan, but the sash covered single bed would be some less costly and less permanent too, than our regular wider cold house. Both plans have the very important advantage of complete exposure to air throughout the season, resulting in harder growth and better flowers. When we add to this distinct advantage the lower cost or overhead of the sash or cold houses, we understand why considerable interest is being taken in them. The 150 acre greenhouse plant of Lowe & Shawyer near London, England, makes very extensive use of this class of construction. They are planted up during the summer months with early Mums that are cleared in time to refill with later varieties that are grown outdoors all summer in 9 inch or 10 inch pots. These two crops of Mums are followed by Tulips and Iris—three substantial crops in a low over-head type of construction. Something along this line might be done in our Southern Sections and when the first or early crop is shaded into flower by mid-September it might be worked out in the North, if the structures are made frost-proof.

About London temperatures of 15-20 degrees seem fairly common, though short-lived.

### General Culture

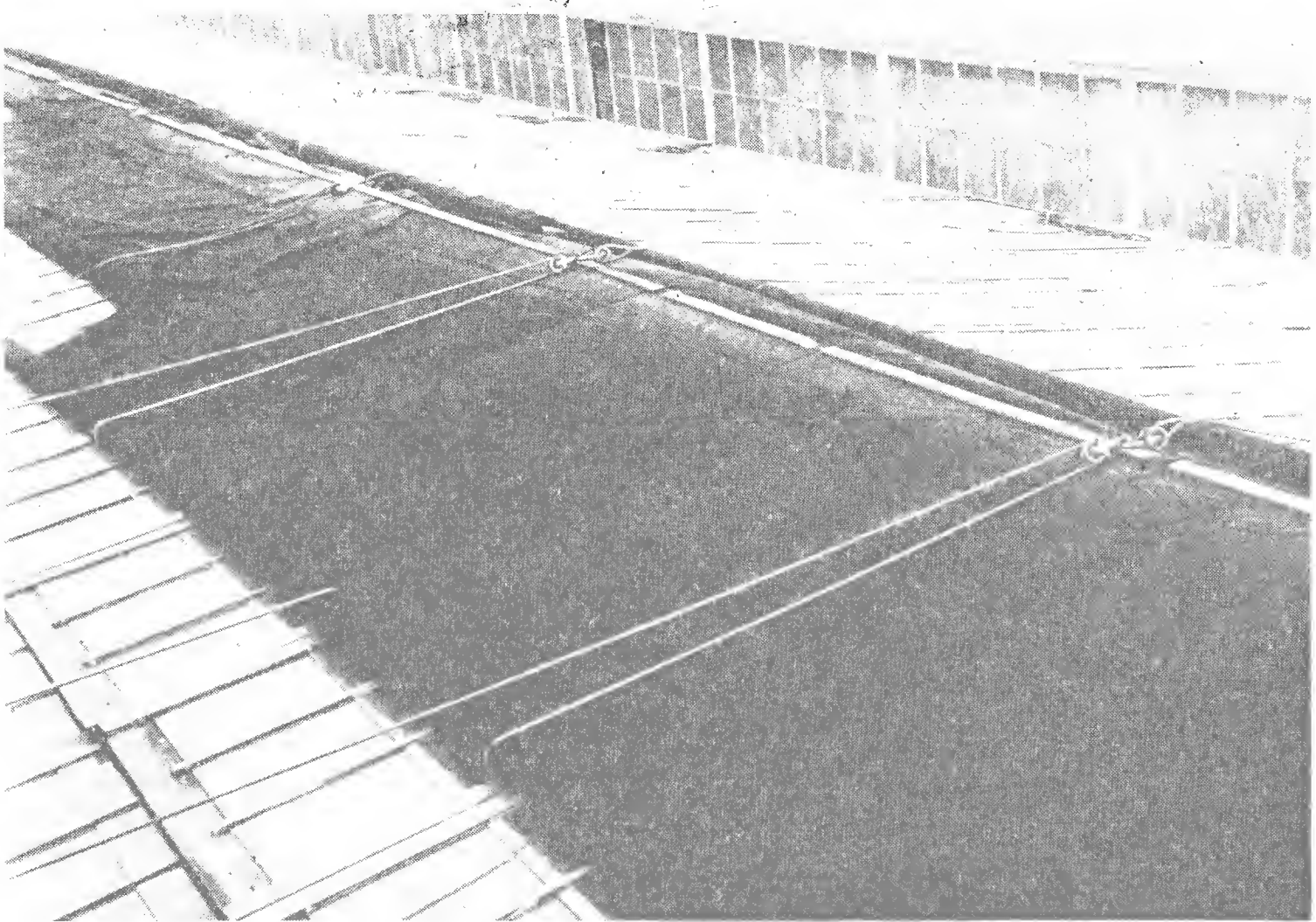
A poor, or we might even say very mediocre, greenhouse crop of any kind does not leave the grower a profit. Clearly better, we are sure, to leave the bed quite empty. This applies particularly to Mums on which the margin is fairly close at best. When Mum growth is weak, sick or uneven in spots or thruout, there is a reason for it. This reason is frequently due to starting with weak or checked young stock. If to this is added old used soil in which there is an accumulation of poisonous material from much manuring and the continual use of hard water, we have perfect conditions for failure with most any crop. Ground beds in which drainage is not perfect is a factor in many cases of half sick Mums. Such beds are easily gotten into an overwatered condition thru regular summer syringing. Raised beds are clearly safer for Mums and most other crops as well, in fact. Excellent hard Mums are grown in 3-4 in. of soil. But good stock is also produced in deep beds if drainage is perfect and the soil examined occasionally during the summer, especially early in the season when growth is not heavy. With a raised bed, filled with clean fresh soil and planted with unchecked young stock, successful growth is certain to follow if aphids are kept down and reasonable attention given to moisture in soil and atmosphere.

Late planting is also responsible for lots of unprofitable Mums. In our latitude this should be finished by June 1 if good marketable flowers are to be produced. Early planting gives them a chance to get well started before hot weather hits them. Growth is slow, almost at a stand-still when temperatures are around 90°; but they hold up under it if growth is vigorous and not kept too wet at the roots. If Mums are to be flowered early thru shading, the planting should be done May 1st to not later than the 15th if shading is to start July 15th, which is the necessary date for flowering September 15-20. The important reason for early planting of stock to be shaded is to get necessary stem length. Much unprofitable short stemmed shaded stock is noted about most markets every fall. However, a retail grower can usually make better use of shorter flowers than a market grower requires. Except earlier planting, there are no cultural differences in growing Mums for shading. But the added cost of getting an early start will be wasted if hardened or checked

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young stock is used. This easily happens with cuttings rooted in February. March, or even April, cuttings are much better. The best plan we find is to plant our cuttings directly from the sand. Such stock usually gets ahead of an early started lot. Cuttings put in early in March, rooted cool and either planted out or potted early in April make excellent stock to plant out a month later.

It is rather significant to note that an increasing number of the most successful growers are depending entirely on cutting specialists for their stock. When delivery and cuttings can be depended on this plan is clearly the most profitable one. It costs considerable to winter a well exposed bench of stock plants. If we figure the value of what can be grown on the bench occupied by stock plants thru the most valuable part of winter, we will arrive at part of the cost of Mum cuttings. To this must be added insecticide bills to keep them clean. *We can say from costly experience that if there is any midge in any of your stock, it will pay many times over to destroy it completely after the crop is cut and get in clean stock.*



## Operation of Black Cloth Shading

The largest convenient width for handling cloth we find is 18 ft.; cut it in lengths long enough to go clear across house—from ground, over ridge, and down other side.

Cloth still off, fasten a rope to ridge 4 ft. inward from where each edge of each 18 ft. width of cloth comes. Let this rope trail to the ground. Next spread an 18 ft. width of cloth across ridge of house, over the ropes tied to the ridge. With lath and small nails, tack the cloth down to the ridge, allowing 1 ft. for overlap onto next section. This is necessary to prevent wind flapping it over and letting light in.

Staple two pulleys to the ridge above the cloth at the same point where ropes were tied previously—4 ft. in from edge of each 18 ft. strip. Now, get two 18 ft. pieces of 2" x 2" strip for each section, and nail one to each edge of cloth along the ground. Next attach a cord to each strip at center, long enough to reach ground even when cloth is rolled up to ridge. This is used to pull the cloth down.

The two ropes tied onto the ridge before cloth was applied, should now be brot up over cloth, thru the pulleys, and down to the ground. Pulling these ropes, of course, draws the cloth up—or rather rolls it up.

—VIC.

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